

# Kenworth T880 Hood Repair

KEN T880

## Instructions for KEN T880 Hood Repair Kit



Congratulations on your purchase of Polyvance's Kenworth T880 hood repair kit for repairing damaged hood strut mounts. With proper installation, the repair will last for years, saving you the cost of purchasing and installing a new hood. Go to [www.polyvance.com](http://www.polyvance.com) to see a video of the repair process or scan the QR code at the bottom of this page to watch the installation video.

### Instructions:



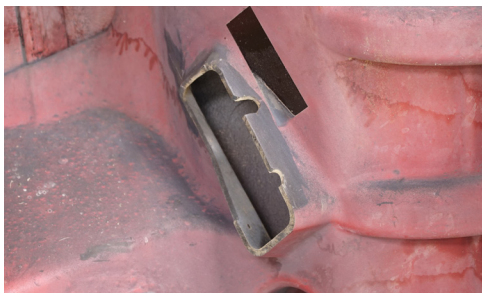
Clean the area to be repaired with soap and water, then 1000 Super Prep or 1001-4 EcoPrep to remove all contaminants from the surface. Gently force dry the area with a heat gun if necessary.



Measure approximately 1" up from the flat surface of the hood and draw a cut line all the way around the strut mount bulge.



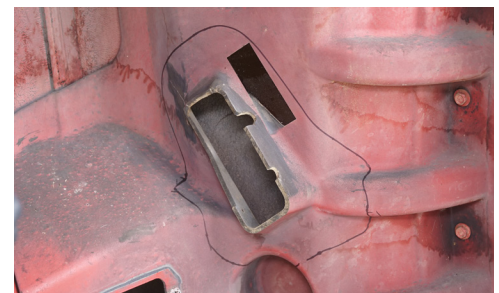
In a well-ventilated area, use a rotary tool with a cut off wheel to remove the top of the bulge.



Removing the top of the bulge provides clearance for the reinforcing ribs on the repair plate to clear the hood, allowing the plate to be fully seated onto the hood's surface. The 1" (2.5 cm) wall provides extra bonding area between the plate and the hood.



Test fit the plate to be sure it can be fully seated onto the hood. It should be snug, but if it does not seat with moderate pressure, trim a little more of the hood away until it can be fully seated.



With the reinforcing plate on the hood, trace around it with a permanent marker to mark the area to be sanded.

### Tools and supplies required:

- 1000 Super Prep® or 1001-4 EcoPrep® Plastic Cleaner
- Permanent Marker
- Tape Measure or a ruler
- Dust mask and gloves
- Die grinder with a cut-off wheel or a Dremel® style rotary tool with a cut-off wheel
- 25 to 60 grit Roloc® disks and Roloc® sander
- 40 to 60 grit sandpaper
- Drill with a 9/64" drill bit
- Ratchet wrench with 9/16" or 14 mm socket
- Low strength thread locker
- 3M® style dual cartridge adhesive gun
- Body spreader or plastic putty knife
- #2 phillips head screwdriver

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Instructional Video

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KEN T880 instructions.indd





Sand the hood's surface with 25 to 60 grit sandpaper on a Roloc® disk to remove the paint and any oxidized plastic. Sand until the area inside the traced line shows 100% fresh, sanded plastic. Hand sanding may be required in some areas due to the complex shape of the hood.



Aggressively sand the inside surface of the aluminum reinforcement plate with 25 to 60 grit sandpaper on a Roloc® disk. Sand every surface that will touch the hood until the sanding scratches have 100% coverage. It's very important to leave no unsanded surface where adhesive will be applied on both the plate and the hood. Hand sanding parts of the reinforcing plate will also be required in this step.



Place the reinforcing plate back on the hood and double check the fit. Make sure the plate can be fully seated over the entire surface and there are no large gaps at the edge of the plate where it meets the hood. PlastiFix is a very strong adhesive and will work well filling gaps up to about 1/8" wide, so perfection isn't needed. If there are large gaps, further trimming of the hood may be required to clear the aluminum reinforcing ribs.



Once confirming the reinforcing plate can be fully seated, use the plate as a guide for marking the 6 locations for drilling 9/64" holes. The plate itself can be used as a drill guide, or drill at the marks as we have done here.



Before bonding the reinforcing plate to the hood, install the OEM bracket onto the reinforcing plate using the included 1-3/4" bolts, flat washer and lock washer, with the fork facing the large side of the bulge. A few drops of low strength thread locker on the bolts is recommended to reduce corrosion of the bolt in the threaded hole.



Blow the dust off the mating surfaces and clean a second time with 1000 Super Prep or 1001-4 EcoPrep. Wipe dry with a clean dry cloth. Make sure the surfaces are completely dry before proceeding to the next step.



Apply a generous amount of adhesive to the surface of the sanded area on the hood. Use a body spreader to cover the entire area.



Apply an even larger amount of adhesive to the reinforcing plate, zig-zagging across entire sanded surface.



Place the reinforcing plate onto the hood. Secure it using six (6) #10 x 1 screws. Gently snug the screws when first installing them. Making them tight immediately can cause uneven distribution of the adhesive and may cause the plate to be seated improperly. Tighten the screws in a star pattern, the same way you would tighten lug nuts on a wheel, until an even bead of adhesive squeezes out along the perimeter of the plate. Do not over-tighten. If there are any gaps after the screws are tight, squeeze more adhesive into the gap until its full.



After curing a minimum of 4 hours at room temperature, or 24 hours for full strength, it's safe to attach the hood struts. Be sure the hood struts are functioning properly before mounting them, as this is typically the reason the mounts failed in the first place.